

October 31, 2016

TO: All Bidders

RE: Informal Bid 2017-04 Addendum # 1

### **ADDENDUM NO. 1**

This **ADDENDUM #1** forms part of Moore County's Informal Bid for Well SCADA Project for the County of Moore Public Works Department. All requirements of the original specifications remain in effect in their respective order. **Receipt of this Addendum must be acknowledged by its inclusion with the Informal Bid and noted as an inclusion on the sealed envelope.**

**The following changes and/or clarifications are hereby made to the original Informal Bid:**

**NOTE: The Bid Due date has been moved to 4:00 pm Friday November 4<sup>th</sup>, 2016.**

**A copy of the Pre-bid sign in sheet is included with this addendum.**

1. Question: Is there a cost estimate/budget available?  
Answer: Current budget is \$80,000. The County will review the budget following the bid opening.
2. Question: When do you expect work to begin?  
Answer: Once a contract has been executed a notice to proceed will be issued. Anticipate December start at the earliest.
3. Question: Are there any union requirement for the project?  
Answer: No.
4. Question: I am interested in bidding your project but I see in the specification that you require the new WELL SCADA system to communicate (share data and control) with your existing SCADA system. Is this a necessity?  
Answer: Yes.
5. Question: I am curious about whether Moore County has a water well maintenance program. In the past I have assisted municipalities in verifying water well SCADA system data by checking whether the probes are reading accurately once installed through routine well testing. I am interested in learning about the water wells you have and what kind of needs the county might have.  
Answer: The well SCADA system is not intended to monitor the groundwater level in each well but to control the wells and monitor the flow and pressures.
6. Question: Can the service be wireless or cellular?  
Answer: Either.
7. Question: How many tags are available with current system?  
Answer: Current tags available should be sufficient for this project.
8. Question: Should the panels in the bid be stainless or fiberglass?  
Answer: Either
9. Question: What is the anticipated contract length of term?  
Answer: Anticipate six months.
10. Question: Is electrical licensure required?  
Answer: Yes
11. Question: Are any computers required/  
Answer: No
12. Question: Who is the manufacturer of the current SCADA equipment?

Answer: Current SCADA equipment was manufactured by Allen Bradley. All equipment must be compatible with the current system.

13. Question: Will the chemical pumps need to be controlled by the SCADA?

Answer: No. The chemical pumps will be operated by the wells on/off but shall be monitored by the SCADA.

14. Question: What are the well pump sizes?

Answer: The pumps range from 50 gpm to 150 gpm (see attached spreadsheet)

15. Question: Will the contractor be responsible for installing other equipment?

Answer: No. The County will install the meters and pressure transducers but the conduit and electrical will need to be done by the Contractor.

16. Question: Do you want the timers to remain?

Answer: Yes. The County wants the timers to still be operational as a backup system.

17. Question: Is there space at the Midland & Dawkins pump station for the panels?

Answer: The County will install all necessary racks to provide a space for the Contractor panel.

18. Question: Are the existing flow switches to be included?

Answer: Yes. The existing flow switches need to be included in the bid. The switches need to be monitored by the SCADA.

19. Question: Do the meters at Midland & Dawkins pump stations need to interface with SCADA?

Answer: Yes. Refer to specifications in bid document.

20. Question: The programming for this project will be done on the existing computer utilizing VTSCADA software. The existing package will accommodate the new system and if additional tags are required will the owner cover the cost?

Answer: Yes. If this is necessary, it will be handled as a change order.

21. Question: Will the owner provide at each well and both booster pump stations the proper signals to be connected to the RTU's.

Answer: Yes. This will need to be coordinated.

22. Question: Will the owner provide the coordinates for each site included in this system.

Answer: Yes. (see attached spreadsheet)

**No further questions will be accepted.** Sealed Bids are due to Terra Vuncannon at 206 South Ray Street Carthage NC 28327 by 4:00 pm Friday November 4, 2016. Opening will not be public.

### **END OF ADDENDUM NO. 1**

Terra Vuncannon  
Purchasing Manager  
County of Moore

INFORMAL BID 2017-04 WELL SCADA PROJECT  
PRE-BID CONFERENCE  
OCTOBER 25, 2016

(please write all items legibly)

| NAME (please print) | COMPANY          | PHONE        | E-MAIL                    |
|---------------------|------------------|--------------|---------------------------|
| Bill Parreish       | WORD AND COMPANY | 919-602-3111 | bill@wordandcompany.com   |
| Phil Appleton       | ZS-Z--           | 912-357-0473 | Appleton@ZSERVICESY04.COM |
| Richard Paine       | FLX              | 919-423-8694 | rpaine@fxperformance.com  |
| Steve Klotz         | CCU inc          | 919-909-8124 | Steve.Klotz@ccuinc.com    |
| Vinnie Bryant       | Clearwater       | 910-327-3851 | vinnie@clearwateris.net   |
| Justin Blair        | ISI              | 804-691-4356 | jblair@isicorp.com        |
| Zone Camper         | Fortech          | 704-331-0621 | zcamper@fortech.us        |
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| WELL<br>NUMBER | ADDRESS                  | COORDINATES<br>(LAT, LONG) |            | CAPACITY<br>(GPM) |
|----------------|--------------------------|----------------------------|------------|-------------------|
| 2A             | BEHIND 175 MCKENZIE RD W | 35D11'34" N                | 79D28'49"W | 105               |
| 5A             | NEAR 5 MUSTER BRANCH RD  | 35D11'32"N                 | 79D27'53"W | 195               |
| 7              | 1 BROOKHAVEN RD          | 35D11'56"N                 | 79D27'3"W  | 155               |
| 10             | MIDLAND/AIRPORT RD       | 35D12'12"N                 | 79D26'49"W | 140               |
| 11             | 605 MONTICELLO DR        | 35D10'32"N                 | 79D28'9"W  | 85                |
| 12             | 5 DIAMONDHEAD DR S       | 35D10'31"N                 | 79D30'11"W | 170               |
| 13             | 115 FOREST LN            | 35D10'47"N                 | 79D30'9"W  | 115               |
| 15             | 600 BEULAH HILL RD N     | 35D12'13"N                 | 79D28'52"W | 96                |
| 16             | 200 DIAMONDHEAD DR S     | 35D10'12"N                 | 79D29'59"W | 135               |
| 17             | 146 SAKONET TRL          | 35D12'45"N                 | 79D27'1"W  | 50                |
| 18             | 35 IDLEWILD RD           | 35D11'31"N                 | 79D29'8"W  | 90                |
| 19             | NEAR 808 LINDEN RD       | 35D11'21"N                 | 79D29'56"W | 130               |
| 20             | 10 TALLADALE CT          | 35D11'26"N                 | 79D30'13"W | 120               |
| 21             | 345 FOXFIRE RD           | 35D10'48"N                 | 79D30'45"W | 100               |
| 22             | 200 SHORT RD             | 35D12'18"N                 | 79D27'44"W | 115               |
| 23             | 675 MONTICELLO DR        | 35D10'22"N                 | 79D27'50"W | 66                |
| 24             | 2600 WENTWORTH CIR       | 35D10'20"N                 | 79D28'28"W |                   |